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\* Globally Recognized Expertise

# Course Description

Gain critical insights into end-to-end supply chain operations through the power of data analytics. This course is designed to help professionals and students understand, analyze, and optimize supply chain performance using tools like Excel, Python, and Power Bl. Learn to forecast demand, manage inventory, evaluate supplier performance, and improve logistics operations with data-driven decisions. Whether you are in manufacturing, retail, logistics, or procurement, this course will enhance your ability to create resilient, responsive, and cost-efficient supply chains.

## Key Points Learned

- Techniques for collecting, visualizing, and interpreting supply chain data
- Forecasting demand using statistical and machine learning models
- Optimizing inventory levels and logistics operations
- Analyzing supplier performance and procurement efficiency
- Developing dashboards and KPIs to track supply chain performance

#### Course Curriculum

- Overview of Supply Chain Management (SCM)
- The Role of Analytics in Supply Chain
- Types of Supply Chain Analytics
- Key Metrics in Supply Chain Analytics
- Tools and Technologies in Supply Chain Analytics
- Data Management and Collection
- Understanding Descriptive Analytics
- Key Performance Indicators (KPIs) in Supply Chain Management
- Visualization of Supply Chain Data
- Structured vs. Unstructured Data
- Data Warehousing and Data Lakes
- Predictive Analytics in Supply Chain
- Prescriptive Analytics in Supply Chain
- Supply Chain Risk Management
- Network Analysis and Optimization
- Inventory Management and Optimization
- Supplier and Vendor Analytics
- Advanced Analytics Tools for Supply Chains
- Case Studies: Amazon, Walmart, Procter & Gamble

#### Career Benefits

- Qualify for high-demand roles in Supply Chain Analytics, Operations, or Logistics
- Learn tools used by industry leaders like SAP, Excel,
  Python, and Power BI
- Enhance decision-making with data-driven insights
- Improve cost efficiency and service levels in real-world supply chains
- Get a competitive edge for roles in E-commerce,
  Manufacturing, Retail, or Consulting

### Omnilearn Advantage Unlocked

- > Tailored course material to suit the learner's experience and knowledge level.
- > Real-world projects to apply concepts and enhance learning.
- > Access to downloadable resources for future reference.
- > Practice exams that mimic real test conditions to boost exam readiness.
- > Industry-recognized certificate awarded upon program completion.
- > Round-the-clock support for all learner inquiries.
- > Year-long access to recorded lessons for review and learning at your convenience.

